

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/625002.app.	US-PGPU B; USPAT	OR	ON	2006/03/21 08:54
S2	4	((("6088311") or ("6172952") or ("6385257") or ("5506824"))).PN.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/03/16 10:57
S3	596	((369/53.34) or (369/44.13)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/03/16 14:21
S4	26146	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/16 14:16
S5	3688373	detect\$3 read\$3 demodulat\$3 obtain\$3	US-PGPU B; USPAT	OR	ON	2006/03/16 14:17
S6	682294	address\$3	US-PGPU B; USPAT	OR	ON	2006/03/16 14:16
S7	4357993	compar\$4 subtract\$3 difference add\$5 sum\$4	US-PGPU B; USPAT	OR	ON	2006/03/16 14:17
S8	3853823	reference preset generat\$3 pregenerat\$3	US-PGPU B; USPAT	OR	ON	2006/03/16 14:17
S9	123780	S5 near4 S6	US-PGPU B; USPAT	OR	ON	2006/03/16 14:17
S10	748	S4 near6 S9	US-PGPU B; USPAT	OR	ON	2006/03/16 14:18
S11	94	S10 and S3	US-PGPU B; USPAT	OR	ON	2006/03/16 14:45
S12	612612	S7 near6 S8	US-PGPU B; USPAT	OR	ON	2006/03/16 14:20
S13	112	S10 near10 S12	US-PGPU B; USPAT	OR	ON	2006/03/16 14:20
S14	18	S13 and S3	US-PGPU B; USPAT	OR	ON	2006/03/16 14:21
S15	65	S3 and S4 and (S9 near10 S12)	US-PGPU B; USPAT	OR	ON	2006/03/16 15:34
S16	1308	S4 near10 phase	US-PGPU B; USPAT	OR	ON	2006/03/16 16:25

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S17	314	S16 near10 S6	US-PGPU B; USPAT	OR	ON	2006/03/16 16:25
S18	58	S17 and S3	US-PGPU B; USPAT	OR	ON	2006/03/21 11:50
S19	7	("5748582"   "6172952"   "6201773").PN. OR ("6345018").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/16 16:29
S20	4269669	sum\$5 add\$5	US-PGPU B; USPAT	OR	ON	2006/03/17 10:10
S21	1398282	difference subtract\$4	US-PGPU B; USPAT	OR	ON	2006/03/17 10:10
S22	172576	S20 near10 S21	US-PGPU B; USPAT	OR	ON	2006/03/17 10:10
S23	44782	S22 near10 (signal wave waveform)	US-PGPU B; USPAT	OR	ON	2006/03/17 10:10
S24	3688373	detect\$3 read\$3 demodulat\$3 obtain\$3	US-PGPU B; USPAT	OR	ON	2006/03/17 10:09
S25	20440	S23 same S24	US-PGPU B; USPAT	OR	ON	2006/03/17 10:11
S26	596	((369/53.34) or (369/44.13)). CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/03/17 10:10
S27	104	S25 and S26	US-PGPU B; USPAT	OR	ON	2006/03/17 11:33
S28	827	S25 same "absolute value"	US-PGPU B; USPAT	OR	ON	2006/03/17 11:13
S29	2	S28 and S26	US-PGPU B; USPAT	OR	ON	2006/03/17 11:13
S30	26146	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/17 11:13
S31	6	S28 same S30	US-PGPU B; USPAT	OR	ON	2006/03/17 11:17
S32	25	S28 and S30	US-PGPU B; USPAT	OR	ON	2006/03/17 12:08
S33	13	S32 and "369".clas.	US-PGPU B; USPAT	OR	ON	2006/03/17 14:55
S34	70	S27 and S30	US-PGPU B; USPAT	OR	ON	2006/03/17 11:34

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S35	42	(S25 same S30) and S26	US-PGPU B; USPAT	OR	ON	2006/03/17 11:43
S37	20	(S25 same S30 same phase) and S26	US-PGPU B; USPAT	OR	ON	2006/03/17 11:51
S38	5511	phase near3 rectifi\$5	US-PGPU B; USPAT	OR	ON	2006/03/17 15:11
S39	26146	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/17 14:55
S40	5	S38 same S39	US-PGPU B; USPAT	OR	ON	2006/03/17 15:10
S41	102	S39 same "absolute value"	US-PGPU B; USPAT	OR	ON	2006/03/17 15:11
S42	30	S41 same phase	US-PGPU B; USPAT	OR	ON	2006/03/17 15:20
S43	3	ballweg-christof.in.	EPO	OR	ON	2006/03/17 15:38
S44	3	5-260413	US-PGPU B; USPAT; JPO	OR	ON	2006/03/17 17:37
S45	1	"05260413"	JPO	OR	ON	2006/03/17 17:41
S46	1	"06019898"	JPO	OR	ON	2006/03/17 17:41
S47	1	JP06019898	JPO	OR	ON	2006/03/17 17:41
S48	3681133	carrier reference	US-PGPU B; USPAT	OR	ON	2006/03/20 16:12
S49	105851	demodulat\$4	US-PGPU B; USPAT	OR	ON	2006/03/20 16:12
S50	96206	absolute adj value	US-PGPU B; USPAT	OR	ON	2006/03/20 16:12
S51	984613	integrat\$3	US-PGPU B; USPAT	OR	ON	2006/03/20 16:13
S52	38	S48 same S49 same S50 same S51	US-PGPU B; USPAT	OR	ON	2006/03/20 16:13
S53	42272	S48 near2 wave	US-PGPU B; USPAT	OR	ON	2006/03/20 16:13

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S54	21	S53 same S50 same S51	US-PGPU B; USPAT	OR	ON	2006/03/20 16:13
S55	49379	(sum\$5 add\$5) same (difference subtract\$3) same (integrat\$3 lpf filter\$3)	US-PGPU B; USPAT	OR	ON	2006/03/20 16:13
S56	1530	S55 same (absolute adj value)	US-PGPU B; USPAT	OR	ON	2006/03/20 16:14
S57	8	S56 same S53	US-PGPU B; USPAT	OR	ON	2006/03/20 16:14
S58	361	S56 same S48	US-PGPU B; USPAT	OR	ON	2006/03/20 16:14
S59	33	S56 and "369".clas.	US-PGPU B; USPAT	OR	ON	2006/03/20 16:15
S60	378349	(sum\$5 add\$5) same (difference subtract\$4)	US-PGPU B; USPAT	OR	ON	2006/03/20 16:17
S61	96206	absolute adj value	US-PGPU B; USPAT	OR	ON	2006/03/20 16:17
S62	26146	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/20 16:17
S63	9	S60 same S61 same S62	US-PGPU B; USPAT	OR	ON	2006/03/20 16:21
S64	596	((369/53.34) or (369/44.13)). CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2006/03/20 16:22
S65	10	S60 same S61 and S64	US-PGPU B; USPAT	OR	ON	2006/03/20 17:03
S66	3141	((two dual double) near2 head).ab.	US-PGPU B; USPAT	OR	ON	2006/03/20 17:03
S67	61	S66 and "369".clas.	US-PGPU B; USPAT	OR	ON	2006/03/20 17:04
S68	3038	phase adj2 rectifi\$6	US-PGPU B; USPAT	OR	ON	2006/03/21 08:54
S69	26174	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/21 08:54
S70	17	S68 and S69	US-PGPU B; USPAT	OR	ON	2006/03/21 08:59
S71	34	S68 same "absolute value"	US-PGPU B; USPAT	OR	ON	2006/03/21 08:59

## EAST Search History

S72	81875	(many multiple several three) near3 (frequency frequencies)	US-PGPU B; USPAT	OR	ON	2006/03/21 11:50
S73	396	S72 same ((high super) near2 density)	US-PGPU B; USPAT	OR	ON	2006/03/21 11:51
S74	3	S73 same S69	US-PGPU B; USPAT	OR	ON	2006/03/21 16:30
S75	4273334	sum\$5 add\$5	US-PGPU B; USPAT	OR	ON	2006/03/22 16:09
S76	1399658	difference subtract\$4	US-PGPU B; USPAT	OR	ON	2006/03/22 16:10
S77	40337	(S75 same S76) adj20 S76	US-PGPU B; USPAT	OR	ON	2006/03/22 16:11
S78	26174	wobbl\$3 or (meander\$3 near2 (track or groove))	US-PGPU B; USPAT	OR	ON	2006/03/22 16:12
S79	123	S77 same S78	US-PGPU B; USPAT	OR	ON	2006/03/22 17:09
S80	2	10/101201.app.	US-PGPU B; USPAT	OR	ON	2006/03/22 17:10